

## Product datasheet for **TP525815**

### **Pikfyve (NM\_011086) Mouse Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse phosphoinositide kinase, FYVE type zinc finger containing (Pikfyve), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T



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**Expression cDNA** >MR225815 representing NM\_011086  
**Clone or AA** Red=Cloning site Green=Tags(s)  
**Sequence:**

MATDDKSSPTLDSANDLPRSPASPSHLTHFKPLTPDQDEPPFKSAYSSFVNLFNFKERGEGGQGEQQSP  
 SSSWASPQIPSRTQSVRSPVPYKKQLNEELHRRSSVLENTLPHPQESTDSRRKAEPACGGHDPRTAVQLR  
 SLSTVLKRLKEIMEGKSQSDSLKQYWMPDSQCKEYDCSEKFTTFRRRHHCRLCGQIFCSRCCNQEIPGK  
 FMGYTGDLRACTYCRKIALSYAHSTDSNSIGEDLNALSDSTCSVSILDPSEPRTPVGSRKASRNIFLEDD  
 LAWQSLIHPDSSNSALSTRLVSVQEDAGKSPARNRSASITNLSLDRSGSPMVPSYETSVSPQANRNYIRT  
 ETTEDERKILLDSAQLKDLWKKICHHTSGMEFQDHRYLWLRTHPNCIVGKELVNWLRNGHIATRAQAI  
 GQAMVDGRWLDCVSHHDQLFRDEYALYRPLQSTEFSETPSPSDSVNSVEGHSEPSWFKDIKFDDSDTEQ  
 IAEEGDDNLAKYLVSDTGGQQLSISDAFIKESLFNRRVEEKSKELPFTPLGWHHNNLELLREENEEKQAM  
 ERLLSANHNHMMALLQQLLQNESLSSSWRDIIVSLVCQVQTVRPDVKHQDDDDMDIRQFVHIKKIPGGKK  
 FDSVVVNGFVCTKNIAHKKMNKCIKPKILLKCSIEYLYREETKFTCIDPIVLQEREFKKNYVQRIVDV  
 RPTLVLEKTVSRIAQDMLLEHGITLVINVKSQVLERISRMTQGDVLSMDQLLTKPHLGTCHKFYMQIF  
 QLPNEQTKLMFFEGCPQHLGCTIKLRGGSYELARVKEILIFMICVAYHSQLEISFLMDEFAMPPTLMQ  
 SPSFHLLTEGRGEEGASQEQVSGSSLPQDPECPREALSSEDSTLLESRTVLEKGEDLNKSIPQAVASLKH  
 QDYTTPTCPAGIPCALFALVPESLLPLHMDQQDAVGNEQPETSQQTDEQQDPKSQMKAFRDPLQDDTGMV  
 VTEEVTSSEDQRKTYALTFKQELKDVILCISPVITFREPLLTEKGMRCSTRDYFPEQIYWSPLLNEVK  
 EMESRRKKQLLRDLGLQGMNGSVQAKSIQVLPSELVSTRIAEHLGDSQTLGRMLADYRARGGRIQSKH  
 LDPFVHSDASCTSGGKSGNKTESDEERGLIPSDVIWPTKVDCLNPNANHQRLCVLFSSSSAQSSNAPSAC  
 VSPWIVTMEFYGKNDLTLGIFLERYCFRSSYQCPSMFCDTPMVHHIRRFVHGQGCVQIILKELDSPVPGY  
 QHTILTYSWCRICKQVTPVVALSNESWSMSFAKYLELRFYGHQYTRRANAEP CGHSIHHDYHQYFSYNQM  
 VASFSYSPIRLLEVCVPLPKIFIKRQAPLKVSLQLDKDFQKVSQVYLAVDERLASLKTDTFSKTREEK  
 MEDIFAQKEMEEGEFKNWTEKMQARLMSSVDTPQQQLQSIFESLIAKKQSLCEVLQAWNSRLQDLFQQEK  
 GRKRPSVPPSPGRLRQGEESKINAMDTSPRNISPLHNGEKEDRFLTTLSSQSSTSSTHLQLPTPPEALA  
 EQVGGPTDLDSASGSEDFDGHLLGSTDSQVKEKSTMKAIFANLLPGNSYNPIFPDPDKHYLMYEHE  
 RVPIAVCEKEPSSIIAFALSCKEYRNALEELSKATLRNSAEGLPANSALDNRPKSSSPIRLPEISGGQT  
 NRTVEAEPQPTKKASGMLSFFRGTAGKSPDLSSQKRETLRGADSAYYQVGQAGKEGLESQGLEPQDEVDG  
 GDTQKKQLTNPHVELQFSDANAKFYCRLYYAGEFHKMREVILGSSEEEFIRLSHSSPWQARGGKSGAAF  
 YATEDDRFILKQMPRLEVQSFLDFAPHYFNYITNAVQQKRPTALAKILGVYRIGYKNSQNNTEKKDLLV  
 MENLFYGRKMAQVFDLKGSLRNRNVKTDGKESCDVLLDENLLKMVRDNPLYIRSHSKSVLRTSIHSDA  
 HFLSSHLIIDYSLVGRDDTSNELVVGIIIDYIRFTWDDKLEMVVKSTGILGGQGKMPTVVSPELYRTRF  
 CEAMDKYFLMVPDHWGLDLNC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-MYC/DDK  
**Predicted MW:** 232.5 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_035216</a>
<b>Locus ID:</b>	18711
<b>UniProt ID:</b>	<a href="#">Q9Z1T6</a> , <a href="#">D3Z5N5</a>
<b>RefSeq Size:</b>	11255
<b>Cytogenetics:</b>	1 C3
<b>RefSeq ORF:</b>	6156
<b>Synonyms:</b>	5230400C17Rik; p235; Pip5k; Pip5k3; Pipk5k3; PipkIII
<b>Summary:</b>	<p>The PI(3,5)P2 regulatory complex regulates both the synthesis and turnover of phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2). Catalyzes the phosphorylation of phosphatidylinositol 3-phosphate on the fifth hydroxyl of the myo-inositol ring, to form phosphatidylinositol 3,5-bisphosphate. Required for endocytic-vacuolar pathway and nuclear migration. The product of the reaction it catalyzes functions as an important regulator of vacuole homeostasis perhaps by controlling membrane flux to and/or from the vacuole.</p> <p>[UniProtKB/Swiss-Prot Function]</p>